NITFS
Compliance Registration

Product: **Dissemination Element (DE) Version 4.0 Build 502 (ERS04)**

Date: **25 September 2002**
Expiration: **24 September 2004**

Sponsor: **NIMA**

Registration #: **124**

Developer: **Lockheed Martin Management and Data Systems**

☐ Initial Registration
☑ Supplemental/Update **123** #
☐ Derived from Reg. #

☑ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

Complexity Level

NITF 2.1 CLEVEL		3		5	6	7
Interpret						
Generate						

NITF 2.0 CLEVEL	1	2	3	4	5	6	Oth
Interpret							
Generate	■	■	■	■	■	■	■

Configurations Tested:

- DEC Client - DEC Alpha - OSF/2   [CLEVELs 4-6]
    Image Formats: Full, IMP, Chips, 11/16 Bit

- SGI Client - MIPS - IRIX 6.2   [CLEVELs 4-6]
    Image Formats: Full, IMP, Chips, 11/16 Bit

- Sun Client - Ultra 5 - Sun Solaris 2.6   [CLEVELs 1-6]
    Image Formats: Full, IMP, Chips, 8/8 and 11/16 Bits

- Sun Server - Ultra Sparc - Sun Solaris 2.6   [CLEVELs 4-6]
    Image Formats: Full, IMP, RRDS, 11/16 Bit

** NITF 2.0 feature
* NITF 2.1 feature

NITFS Features Implemented:

Format
  NITF
○ ○ v2.1
○ ● v2.0
○   v1.1
  NSIF
○ ○ v1.0

Pixel Value Types
○ ○ Boolean
○ ● Integer
○ ○ Signed Integer *
○ ○ IEEE Real *
○ ○ IEEE Complex *

Annotation Segment Types
○ ○ Bit Mapped **
○ ○ CGM, 2301
○ ○ CGM, 2301A
○ ○ Labels **

Text Segments
○ ○ STA
○ ● UT1
○ ○ U8S
○ ○ MTF

Image Segment Types
○ ● MONO
○ ○ RGB
○ ○ RGB/LUT
○ ○ YCbCr
○ ○ MULTI
○ ○ NODISPLY
○ ○ POLAR

Image Compression
○ ● Not Compressed
○ ○ JPEG Lossy, 8-bit
○ ○ JPEG Lossy, 12-bit
○ ○ JPEG Downsample
○ ○ JPEG Lossless
○ ○ JPEG 2000
○ ○ Bi-Level
○ ○ Vector Quantization
○ ○ Multispectral JPEG, Individual Band

Data Extension Segments
○ ○ TRE_OVERFLOW
○ ○ STREAMING_FILE_HEADER
○ ○ Controlled Extensions **
○ ○ Registered Extensions **

Tagged Record Extensions
○ ● PIAE - PIAPRC
○ ● National SDE - ALL

NOTE: Version supports unaltered "pass through" of JPEG compressed and uncompressed NITF products.

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